

# **INTERNAL VENTILATING SYSTEM FOR A ROTATING ELECTRICAL MACHINE SUCH AS A MOTOR VEHICLE ALTERNATOR CROSS-REFERENCE TO RELATED APPLICATIONS**

## **ABSTRACT**

The invention concerns a rotating electrical machine, comprising inside a housing, a fixedly mounted stator and a rotor rotatably mounted in the stator, the ventilating system including in particular at least one ventilator integral with the rotor and capable of generating a cooling air stream inside the housing, radial air intake orifices (20) arranged in the housing, and cooling air discharge ports (22) arranged in said housing in a ring opposite the periphery of the ventilator and mutually separated by fins (24) stiffening the housing in the port region. The system is characterized in that the angle of inclination of the fins (24) relative to the tangent perpendicular to the radial direction (R) ranges between 38° and 52°. The invention is for use for motor vehicle alternators.

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